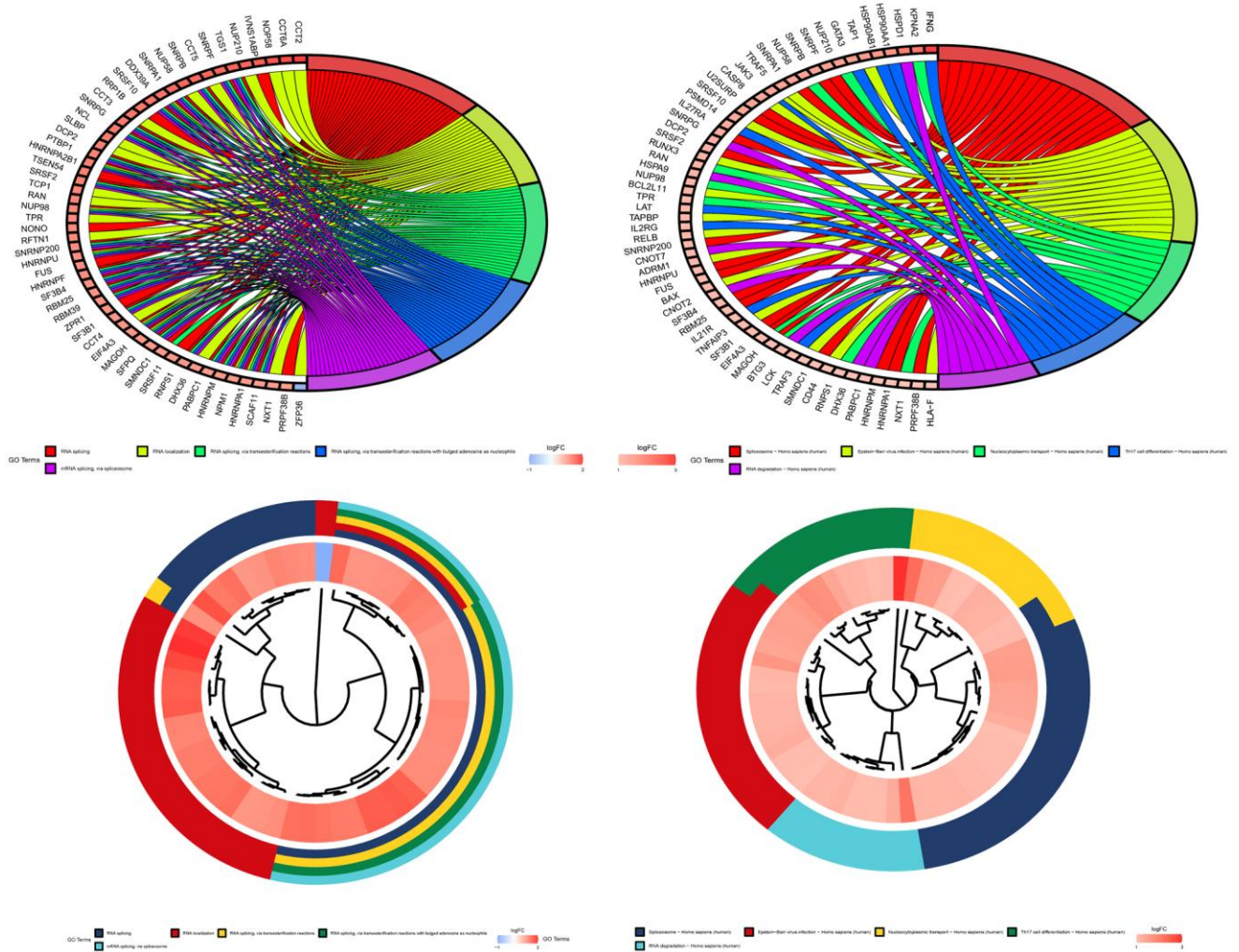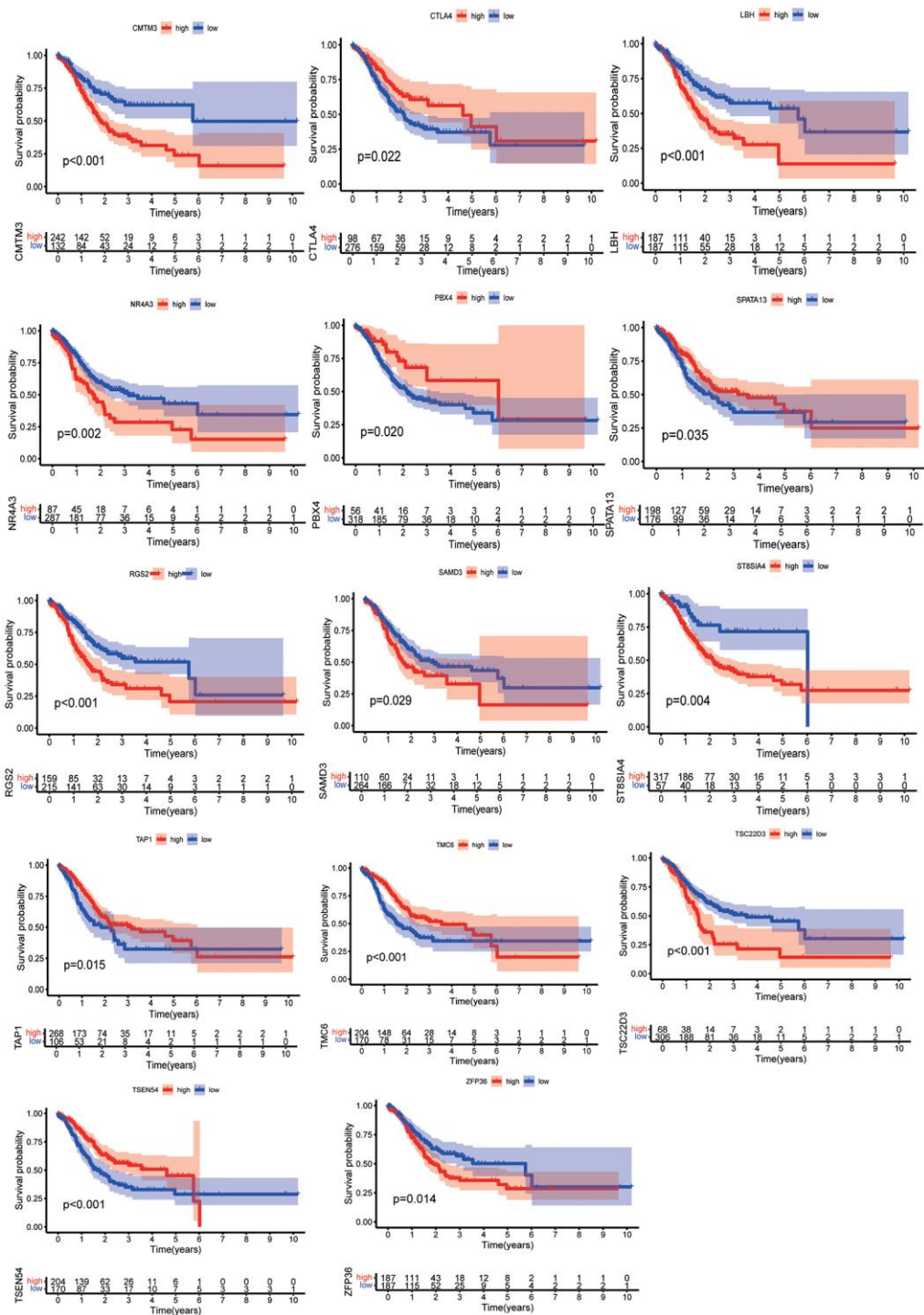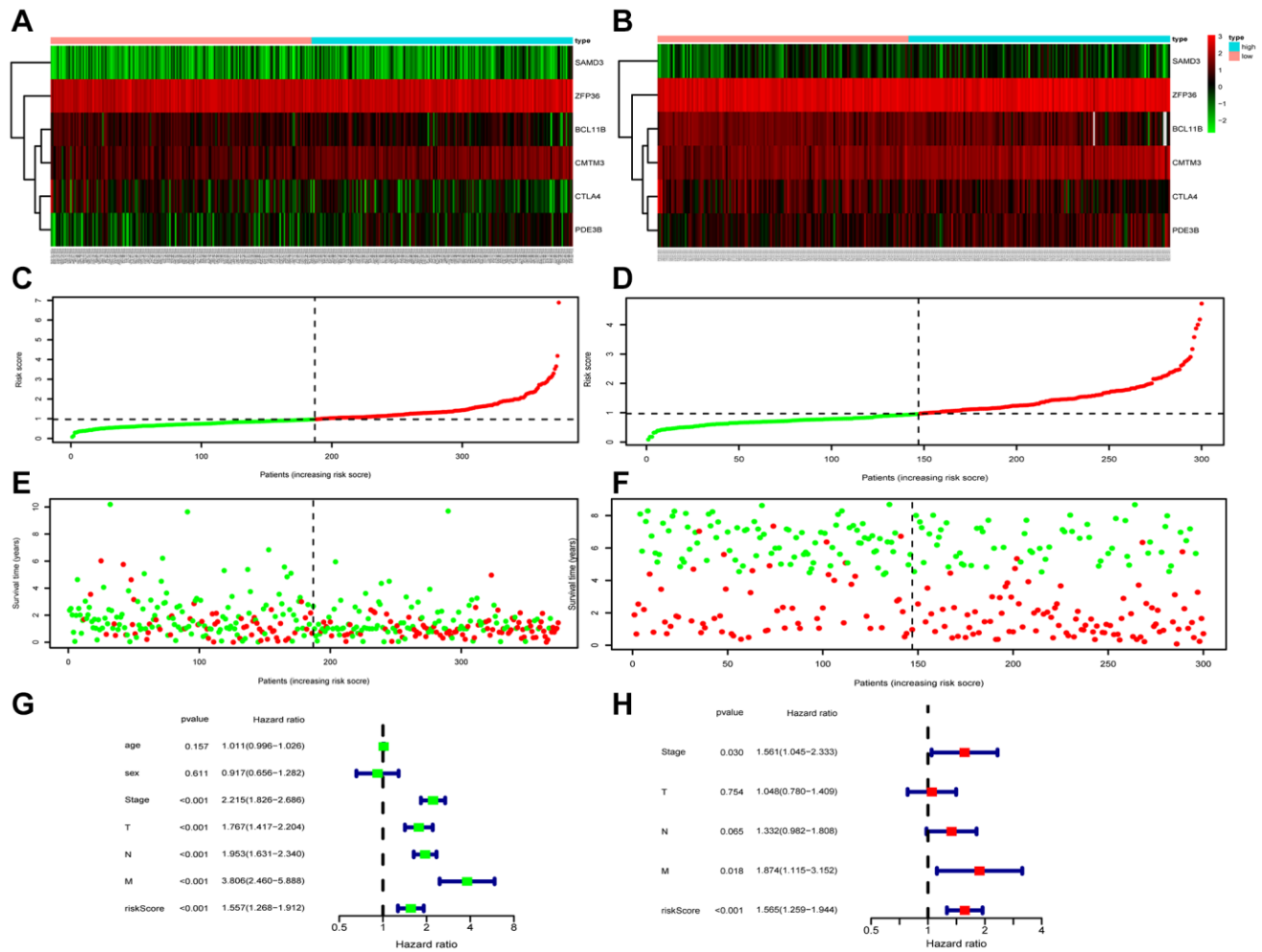Supplementary Figure 1. Functional enrichment for differentially expressed TCRGs. Concentric circle diagram of KEGG pathway analysis and GO analysis.

Supplementary Figure 2. K-M curves of single prognostic genes.

Supplementary Figure 3. Survival status in different groups and independent prognostic analysis in GSE62254. Heatmap for the expression characteristics of 6 modeled genes in (**A**) training set and (**B**) validation set. Distribution of riskscore in (**C**) training set and (**D**) validation set. Distribution of each patient's OS in (**E**) training set and (**F**) validation set. (**G**) Univariate and (**H**) multivariate Cox analysis of clinical characteristics and risk in validation set.